

What is claimed is:

1 A POS registering system, comprising:

5 a menu having a plurality of menu keys and at least one selection key,
at least one sales item being assigned to each of the menu keys, each of the
selection key being used to select one of sales items assigned to each of the
menu keys;

10 a table containing entries of sales item data of the sales items
assigned to each of the menu keys, said sales item data including a name
and price of each sales item; and

a display device;

15 wherein when a first operation including a selecting a menu key is
performed for designating a sales item on said menu, entries of sales item
data of all sales items assigned to the selected menu key are retrieved from
said table and all the retrieved entries of sales item data are displayed on
said display device in such a manner that the entry of sales item data of the
designated sales item is distinguished from entries of sales item data of
correction alternative sales items, said correction alternative sales items
being sales items which are assigned to the selected menu key other than
the designated sales item; and

20 wherein when a second operation is performed for selecting one of the
entries of sales item data the correction alternative sales items displayed on
said display device, the selected entry is treated as an entry to be processed.

2. A POS registering system, comprising:

a menu having a plurality of menu keys and at least one selection key, at least one sales item being assigned to each of the menu keys, each of the selection key being used to select one of sales items assigned to each of the menu keys;

a table containing entries of sales item data of the sales items assigned to each of the menu keys, said sales item data including a name and price of each sales item;

a display device;

designated sales item-searching means for searching said table for an entry of designated sales item data which corresponds to a sales item designated by an operation on said menu, said operation including selecting a menu key to which a sales item to be designated is assigned;

correction alternative-searching means for searching the table for entries of correction alternative sales item data of sales items which are assigned to the menu key to which the designated sales item is assigned and which have not been designated by the operation;

display-controlling means for displaying the entry of the designated sales item data and the entries of correction alternative sales item data on said display device in such a manner that the entry of the designated sales item data is displayed in a different format from the entries of correction alternative sales item data; and

sales item-registering means, when on of the entries of correction alternative sales item data is selected, for registering the selected entry of correction alternative sales item data as an entry to be registered.

3. A POS registering system, comprising:

5 a menu having a plurality of menu keys and at least one selection key, at least one sales item being assigned to each of the menu keys, each of the selection key being used to select one of sales items assigned to each of the menu keys;

10 a PLU table containing entries of sales item data of the sales items assigned to each of the menu keys, said sales item data including a name and price of each sales item, said entry of sales item data being correlated to a code of said sales item;

15 a key table containing the codes of sales items and operations on said menu in such a manner that a code of a sales item is designated by each operation on said menu;

a display device;

20 designated sales item searching means for searching said key table for a sales item code corresponding to an operation on said menu and further searching said PLU table for an entry of designated sales item data corresponding to the searched sales item code;

correction alternative-searching means for searching said key table for sales item codes corresponding to sales items which are assigned to the

menu key operated and which have not been designated and further searching said PLU table for entries of correction alternative sales item data corresponding to the searched sales item codes;

display-controlling means for displaying the entry of the designated sales item data and the entries of correction alternative sales item data on said display device in such a manner that the entry of the designated sales item data is displayed in a different format from the entries of correction alternative sales item data; and

sales item-registering means, when one of the entries of correction alternative sales item data is selected, for registering the selected entry of correction alternative sales item data as an entry to be registered.

4. The POS registering system as set forth in claim 3,

wherein said menu has a special menu key to which a plurality of sales items are assigned, the same sales item code being assigned to the sales items assigned to said special menu key;

wherein said PLU table correlatively contains sales item codes, entries of sales item data of sales items, and entries of selection key information, one sales item code being assigned to a plurality of sales items, entries of selection key information representing selection keys for selecting sales items to which the same sales item code is assigned;

wherein said key table contains sales item codes, each of which is assigned in common to the plurality of sales items assigned to the special

menu key;

wherein said designated sales item-searching means searches said key table for a sales item code corresponding to an operation, said operation including selecting said special menu key on said menu for designating a sales item, and further searches said PLU table for pairs of an entry of sales item data and an entry of the selection key information corresponding to the searched sales item code; and

wherein among entries of sales item data corresponding to the searched sales item code, an entry selected by selecting one of the selection keys becomes an entry of the designated sales item data, and entries not selected by selecting one of the selection keys become entries of correction alternative sales item data.

5. A POS registering system, comprising:

a display device;

a touch panel input device disposed on said display device;

input screen display-controlling means for causing said display device to display an input screen containing a plurality of menu buttons and at least one selection button, each of said menu buttons representing a sales item name of a unique sales item, the selection button being used to select sales item names represented on the menu buttons, and changing the sales item names represented on the menu buttons to those corresponding to the touched selection button when the touching thereon is detected

corresponding to an output from said touch panel input device; and

a table correlatively containing sales item codes of sales items represented on the menu buttons and entries of sales item data, said sales item data including a name and price of each sales item;

5 wherein when a touching on a menu button on the input screen is detected corresponding to an output from said touch panel input device, entries of sales item data of all sales item names which are capable of being displayed on the touched menu button are retrieved from said table, an entry corresponding to a sales item whose name is displayed on the touched
10 menu button is defined as an entry of designated sales item data among the retrieved entries, entries corresponding to sales items whose names are not displayed on the touched menu button are defined as entries of correction alternative sales item data among the retrieved entries, the entry of the designated sales item data and the entries of the correction alternative sales
15 item data are displayed on said display device in such a manner that the entry of the designated sales item data is displayed in a different format from the entries of correction alternative sales item data, and when an operator selects an entry of correction alternative sales item data displayed on said display device, the selected entry of correction alternative sales item
20 data is treated as an entry to be processed.

6. A POS registering system, comprising:
a display device;

a touch panel input device disposed on said display device;

input screen display-controlling means for causing said display device to display an input screen containing a plurality of menu buttons and at least one selection button, each of said menu buttons representing a sales item name of a unique sales item, the selection button being used to select sales item names represented on the menu buttons, and changing the sales item names represented on the menu buttons to those corresponding to the touched selection button when the touching thereon is detected corresponding to an output from said touch panel input device;

a table correlatively containing sales item codes of sales items represented on the menu buttons and entries of sales item data containing sales item names and prices of the sales items;

designated sales item searching means for searching said table for an entry of designated sales item data corresponding to a sales item name represented on a menu button when a touching the menu button on said input screen is detected corresponding to an output from said touch panel input device;

correction alternative-searching means for searching said table for entries of correction alternative sales item data corresponding to sales item names which are assigned to the touched menu button and which are not represented on the touched menu button;

input guidance display-controlling means for causing said display

device to display the entry of designated sales item data and the entries of correction alternative sales item data in such a manner that the entry of the designated sales item data is displayed in a different format from the entries of correction alternative sales item data; and

5 sales item-registering means, when on of the entries of correction alternative sales item data is selected, for registering the selected entry of correction alternative sales item data as an entry to be registered.

7. A POS registering system, comprising:

a display device;

10 a touch panel input device disposed on said display device;

input screen display controlling means for causing said display device to display an input screen containing a plurality of menu buttons and at least one selection button, each of said menu buttons representing a sales item name of a unique sales item, the selection button being used to select sales item names represented on the menu buttons, and changing the sales item names represented on the menu buttons to those corresponding to the touched selection button when the touching thereon is detected corresponding to an output from said touch panel input device;

15 a button table containing entries of position information of the menu buttons, entries of position information of the selection buttons, and sales item codes in such a manner that a sales item code is designated by a combination of an entry of position information of the menu button and an

entry of position information of the selection button;

a PLU table containing the sales item codes contained in said button table and entries of sales item data, said sales item data including a name and price of each sales item, said entry of sales item data being correlated to a sales item code;

designated sales item searching means for searching said button table for a sales item code corresponding to a sales item name represented on a menu button touched on said touch panel input device on the basis of an entry of position information of the touched menu button and an entry of a selection button which has most recently been touched, and further searching an entry of designated sales item data corresponding to the searched sales item code;

correction alternative searching means for searching said button table for sales item codes corresponding to sales item names being capable of, but not being, represented on a menu button touched on said touch panel input device on the basis of an entry of position information of the touched menu button and an entry of a selection button which has most recently been touched, and further searching an entry of correction alternative sales item data corresponding to the searched sales item codes;

input guidance display-controlling means for causing said display device to display the entry of designated sales item data and the entries of correction alternative sales item data in such a manner that the entry of the

designated sales item data is displayed in a different format from the entries of correction alternative sales item data; and

sales item-registering means, when one of the entries of correction alternative sales item data is selected, for registering the selected entry of correction alternative sales item data as an entry to be registered.

8. The POS registering system as set forth in claim 7,

wherein said input screen has a special menu button to which a plurality of sales items are assigned, the sales item code being assigned to the sales items assigned to said special menu button;

wherein said PLU table correlatively contains sales item codes, entries of sales item data, and entries of selection button information, each of sales item codes being assigned to a plurality of sales items, each entry of the selection button information represents a selection button which is touched to represent a sales item name of a sales item on the special menu button;

wherein said button table contains sales item codes, each of which is assigned in common to the plurality of sales items corresponding to the sales item names represented on the special menu button;

wherein said designated sales item-searching means searches said key table for a sales item code corresponding to a combination of an entry of position information of the special menu button touched on said touch panel input device and an entry of position information of a selection button which

has most recently been touched, and further searches said PLU table for pairs of an entry of sales item data and an entry of the selection button information corresponding to the searched sales item code; and

wherein among entries of sales item data corresponding to the searched sales item code, an entry selected by selecting one of the selection buttons becomes an entry of the designated sales item data, and entries not selected by selecting one of the selection buttons become entries of correction alternative sales item data.

9. A computer program for causing a computer comprising: a menu having a plurality of menu keys and at least one selection key, at least one sales item being assigned to each of the menu keys, each of the selection key being used to select one of sales items assigned to each of the menu keys; and a display device, to function as a POS registering system comprising:

a table containing entries of sales item data of the sales items assigned to each of the menu keys, said sales item data including a name and price of each sales item; and

wherein when a first operation including a selecting a menu key is performed for designating a sales item on said menu, entries of sales item data of all sales items assigned to the selected menu key are retrieved from said table and all the retrieved entries of sales item data are displayed on said display device in such a manner that the entry of sales item data of the designated sales item is distinguished from entries of sales item data of

correction alternative sales items, said correction alternative sales items being sales items which are assigned to the selected menu key other than the designated sales item; and

wherein when a second operation is performed for selecting one of the entries of sales item data the correction alternative sales items displayed on said display device, the selected entry is treated as an entry to be processed.

10. A computer program for causing a computer comprising: a menu having a plurality of menu keys and at least one selection key, at least one sales item being assigned to each of the menu keys, each of the selection key being used to select one of sales items assigned to each of the menu keys; and a display device; to function as a POS registering system comprising:

a table containing entries of sales item data of the sales items assigned to each of the menu keys, said sales item data including a name and price of each sales item;

designated sales item-searching means for searching said table for an entry of designated sales item data which corresponds to a sales item designated by an operation on said menu, said operation including selecting a menu key to which a sales item to be designated is assigned;

correction alternative-searching means for searching the table for entries of correction alternative sales item data of sales items which are assigned to the menu key to which the designated sales item is assigned and which have not been designated by the operation;

display-controlling means for displaying the entry of the designated sales item data and the entries of correction alternative sales item data on said display device in such a manner that the entry of the designated sales item data is displayed in a different format from the entries of correction alternative sales item data; and

sales item-registering means, when one of the entries of correction alternative sales item data is selected, for registering the selected entry of correction alternative sales item data as an entry to be registered.

11. A computer program for causing a computer comprising: a menu having a plurality of menu keys and at least one selection key, at least one sales item being assigned to each of the menu keys, each of the selection key being used to select one of sales items assigned to each of the menu keys; and a display device; to function as a POS registering system comprising:

a PLU table containing entries of sales item data of the sales items assigned to each of the menu keys, said sales item data including a name and price of each sales item, said entry of sales item data being correlated to a code of said sales item;

a key table containing the codes of sales items and operations on said menu in such a manner that a code of a sales item is designated by each operation on said menu;

designated sales item-searching means for searching said key table for a sales item code corresponding to an operation on said menu and

further searching said PLU table for an entry of designated sales item data corresponding to the searched sales item code;

correction alternative-searching means for searching said key table
for sales item codes corresponding to sales items which are assigned to the
menu key operated and which have not been designated and further
searching said PLU table for entries of correction alternative sales item
data corresponding to the searched sales item codes;

display-controlling means for displaying the entry of the designated sales item data and the entries of correction alternative sales item data on said display device in such a manner that the entry of the designated sales item data is displayed in a different format from the entries of correction alternative sales item data; and

sales item-registering means, when on of the entries of correction alternative sales item data is selected, for registering the selected entry of correction alternative sales item data as an entry to be registered.

12. The computer program as set forth in claim 11,

wherein said menu has a special menu key to which a plurality of sales items are assigned, the same sales item code being assigned to the sales items assigned to said special menu key;

wherein said PLU table correlatively contains sales item codes, entries of sales item data of sales items, and entries of selection key information, one sales item code being assigned to a plurality of sales items,

entries of selection key information representing selection keys for selecting sales items to which the same sales item code is assigned;

wherein said key table contains sales item codes, each of which is assigned in common to the plurality of sales items assigned to the special menu key;

wherein said designated sales item-searching means searches said key table for a sales item code corresponding to an operation, said operation including selecting said special menu key on said menu for designating a sales item, and further searches said PLU table for pairs of an entry of sales item data and an entry of the selection key information corresponding to the searched sales item code; and

wherein among entries of sales item data corresponding to the searched sales item code, an entry selected by selecting one of the selection keys becomes an entry of the designated sales item data, and entries not selected by selecting one of the selection keys become entries of correction alternative sales item data.

13. A computer program for causing a computer: comprising a display device; and a touch panel input device disposed on said display device; to function as a POS registering system comprising:

input screen display-controlling means for causing said display device to display an input screen containing a plurality of menu buttons and at least one selection button, each of said menu buttons representing a sales

item name of a unique sales item, the selection button being used to select sales item names represented on the menu buttons, and changing the sales item names represented on the menu buttons to those corresponding to the touched selection button when the touching thereon is detected

5 corresponding to an output from said touch panel input device; and

a table correlatively containing sales item codes of sales items represented on the menu buttons and entries of sales item data, said sales item data including a name and price of each sales item;

10 wherein when a touching on a menu button on the input screen is detected corresponding to an output from said touch panel input device, entries of sales item data of all sales item names which are capable of being displayed on the touched menu button are retrieved from said table, an entry corresponding to a sales item whose name is displayed on the touched menu button is defined as an entry of designated sales item data among the
15 retrieved entries, entries corresponding to sales items whose names are not displayed on the touched menu button are defined as entries of correction alternative sales item data among the retrieved entries, the entry of the designated sales item data and the entries of the correction alternative sales item data are displayed on said display device in such a manner that the
20 entry of the designated sales item data is displayed in a different format from the entries of correction alternative sales item data, and when an operator selects an entry of correction alternative sales item data displayed

on said display device, the selected entry of correction alternative sales item data is treated as an entry to be processed.

14. A computer program for causing a computer: a display device; and a touch panel input device disposed on said display device; to function as a POS registering system comprising:

input screen display-controlling means for causing said display device to display an input screen containing a plurality of menu buttons and at least one selection button, each of said menu buttons representing a sales item name of a unique sales item, the selection button being used to select sales item names represented on the menu buttons, and changing the sales item names represented on the menu buttons to those corresponding to the touched selection button when the touching thereon is detected corresponding to an output from said touch panel input device;

a table correlatively containing sales item codes of sales items represented on the menu buttons and entries of sales item data containing sales item names and prices of the sales items;

designated sales item-searching means for searching said table for an entry of designated sales item data corresponding to a sales item name represented on a menu button when a touching the menu button on said input screen is detected corresponding to an output from said touch panel input device;

correction alternative-searching means for searching said table for

entries of correction alternative sales item data corresponding to sales item names which are assigned to the touched menu button and which are not represented on the touched menu button;

input guidance display-controlling means for causing said display device to display the entry of designated sales item data and the entries of correction alternative sales item data in such a manner that the entry of the designated sales item data is displayed in a different format from the entries of correction alternative sales item data; and

sales item-registering means, when one of the entries of correction alternative sales item data is selected, for registering the selected entry of correction alternative sales item data as an entry to be registered.

15. A computer program for causing a computer comprising: a display device; and a touch panel input device disposed on said display device; to function as a POS-registering system comprising:

input screen display-controlling means for causing said display device to display an input screen containing a plurality of menu buttons and at least one selection button, each of said menu buttons representing a sales item name of a unique sales item, the selection button being used to select sales item names represented on the menu buttons, and changing the sales item names represented on the menu buttons to those corresponding to the touched selection button when the touching thereon is detected corresponding to an output from said touch panel input device;

a button table containing entries of position information of the menu buttons, entries of position information of the selection buttons, and sales item codes in such a manner that a sales item code is designated by a combination of an entry of position information of the menu button and an entry of position information of the selection button;

a PLU table containing the sales item codes contained in said button table and entries of sales item data, said sales item data including a name and price of each sales item, said entry of sales item data being correlated to a sales item code;

designated sales item searching means for searching said button table for a sales item code corresponding to a sales item name represented on a menu button touched on said touch panel input device on the basis of an entry of position information of the touched menu button and an entry of a selection button which has most recently been touched, and further searching an entry of designated sales item data corresponding to the searched sales item code;

correction alternative searching means for searching said button table for sales item codes corresponding to sales item names being capable of, but not being, represented on a menu button touched on said touch panel input device on the basis of an entry of position information of the touched menu button and an entry of a selection button which has most recently been touched, and further searching an entry of correction alternative sales

item data corresponding to the searched sales item codes;

input guidance display-controlling means for causing said display device to display the entry of designated sales item data and the entries of correction alternative sales item data in such a manner that the entry of the designated sales item data is displayed in a different format from the entries of correction alternative sales item data; and

sales item-registering means, when one of the entries of correction alternative sales item data is selected, for registering the selected entry of correction alternative sales item data as an entry to be registered.

16. The computer program as set forth in claim 15, wherein said input screen has a special menu button to which a plurality of sales items are assigned, the sales item code being assigned to the sales items assigned to said special menu button;

wherein said PLU table correlatively contains sales item codes, entries of sales item data, and entries of selection button information, each of sales item codes being assigned to a plurality of sales items, each entry of the selection button information represents a selection button which is touched to represent a sales item name of a sales item on the special menu button;

wherein said button table contains sales item codes, each of which is assigned in common to the plurality of sales items corresponding to the sales item names represented on the special menu button;

